

WHAT IS CLAIMED IS:

1. An X-ray source comprising:

an X-ray tube including a target generating an X-ray in response to an electron beam incident thereon emitted from an electron gun and an X-ray exit window emitting thus generated X-ray;

a power supply having a structure including an insulating block molding therein a voltage generating part supplying a voltage to the X-ray tube;

a first planar member securing the X-ray tube while being arranged on one side of the insulating block; and

a second planar member disposed on a side of the insulating block opposite from the first planar member;

wherein the first and second planar members are fastened to each other while holding the insulating block therebetween.

2. An X-ray source according to claim 1, wherein the insulating block has a surface coated with conductive paint.